AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

Please replace the paragraph beginning on page 1, line 16 with the following amended paragraph:

The description which follows presupposes knowledge of network data
communications and switches, network processors, adapters, routers, etc. as used in such
communications networks. In particular, the description presupposes familiarity with the
~~ISO~~ OSI model of network architecture which divides network operation into layers. A
typical architecture based upon the ~~ISO~~ OSI model of network architecture which divides
network operation into layers. A typical architecture based upon the ~~ISO~~ OSI model
extends from Layer 1 (also sometimes identified as "L1") being the physical pathway or
media through which signals are passed upwards through Layers 2, 3, 4 and so forth to
Layer 7, the last mentioned being the layer of applications programming running on a
computer system linked to the network. In this document, mention of L1, L2 and so forth
is intended to refer to the corresponding layer of a network architecture. The ~~disclosures~~
disclosure also presupposes a fundamental understanding of bit strings known as packets
and frames in such network communication.

Please replace the paragraph beginning on page 4, line 20 with the following amended
paragraph:

The accelerator includes a memory called a cache in which characteristics of TCP
packets called four-tuple (described herein) are stored. The four-tuple include Internet